

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph on page 18, lines 9-14, with the following paragraph:

The gas separating second material 52 of the membrane electrolyte 80 is constructed of, although not limited to, a hydrophobic polymer having a high capacity to evolve carbon dioxide from organic fuel reactants and high permeability to conduct carbon dioxide through the membrane electrolyte 80 to the cathode chamber 30. A hydrophobic polymer of the second material 52 may include, although is not limited to, ZITEX®, ~~available from Norton Performance Plastics Corporation, Wayne, New Jersey~~ ~~ZINTEX®, available from W.L. Gore & Associates of Newark, DE.~~

Please replace the paragraph on page 18, lines 15-21, with the following paragraph:

Due to the high cost of fabricating the membrane electrolyte 80 with relatively expensive proton conducting polymers, such as NAFION®, other polymeric variants or materials may be used alone or in combination as the proton conducting first material 50 of the membrane electrolyte 80 in order to reduce high costs associated with high volume manufacture of membrane electrolytes. Alternative materials with which the proton conducting first material 50 may be constructed include, although are not limited to, ~~polyvinylidene polyamidine~~ fluoride (PVDF).